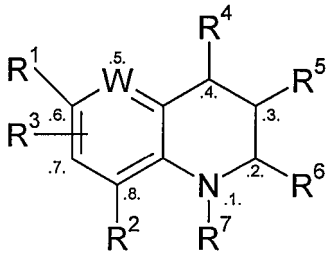
**Listing of Claims**:

1. (Currently amended) A compound ~~Compounds~~ of ~~the~~ formula I



I

in which

W ~~denotes~~ is CH or N,

$R^1$, $R^2$, $R^3$, independently of one another, ~~denote~~ are H, R, A, aryl, heteroaryl, Hal, $-(CY_2)_n-SA$, $-(CY_2)_n-SCF_3$, $-(CY_2)_n-SCN$, $-(CY_2)_n-CF_3$, $-(CY_2)_n-OCF_3$, cycloalkyl, $-SCH_3$, -SCN, $-CF_3$, $-OCF_3$, -OA, $-(CY_2)_n-OH$, $-(CY_2)_n-CO_2R$, $-(CY_2)_n-CN$, $-(CY_2)_n-Hal$, $-(CY_2)_n-NR_2$, $(CY_2)_n-OA$, $(CY_2)_n-OCOA$, $-SCF_3$, $(CY_2)_n-CONR_2$, $-(CY_2)_n-NHCOA$, $-(CY_2)_n-NHSO_2A$, $SF_5$, $Si(CH_3)_3$, $CO-(CY_2)_n-CH_3$, $-(CY_2)_n$-N-pyrrolidone, $CH(CH_2)_nNRCOOR$, CHNRCOOR, NCO, $CH(CH_2)_nCOOR$, NCOOR, $CH(CH_2)_nOH$, $N(CH_2)_nOH$, $CHNH_2$, $CH(CH_2)_nNR_2$, $CH(CH_2)_nNR_2$, C(OH)R, CHNCOR, $CH(CH_2)_n$-aryl, $CH(CH_2)_n$--heteroaryl, $CH(CH_2)_nR^1$, $N(CH_2)_nCOOR$, $CH(CH_2)_nX(CH_2)_n$-aryl, $CH(CH_2)_nX(CH_2)_n$-heteroaryl, $N(CH_2)_nCONR_2$, $XCONR(CH_2)_nNR_2$, $N[(CH_2)_nXCOOR]CO(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_nX$-aryl, $N[(CH_2)_nXR]SO_2(CH_2)_n$-aryl, $N[(CH_2)_nNRCOOR]CO(CH_2)_n$-aryl, $N[(CH_2)_nNR_2]CO(CH_2)_n$-aryl, $N[(CH_2)_nNR_2]CO(CH_2)_nNR$-aryl, $N[(CH_2)_nNR_2]SO_2(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nXR]CO(CH_2)_nX$-heteroaryl,

$N[(CH_2)_nXR]SO_2(CH_2)_n$-heteroaryl, $N[(CH_2)_nNRCOOR]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_nNR$-heteroaryl, $N[(CH_2)_nNR_2]SO_2(CH_2)_n$-heteroaryl, $O(CH_2)_nNR_2$, $X(CH_2)_nNR_2$, $NCO(CH_2)_nNR_2$, or $R^1$ and $R^2$ together ~~also~~ are ~~denote~~ -N-$C(CF_3)$=N-, -N-CR=N-, or -N-N=N-,

Y ~~denotes~~ is H, A, or Hal

A ~~denotes~~ is alkyl or cycloalkyl, in which one or more H atoms optionally are substituted ~~may be replaced~~ by Hal,

Hal ~~denotes~~ is F, Cl, Br or I,

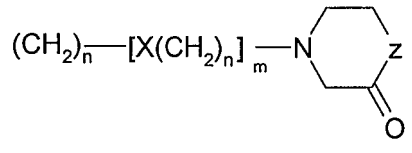
R ~~denotes~~ is H or A, in the case of geminal radicals R together ~~also~~ is $-(CH_2)_5$-, $-(CH_2)_4$-, $-(CH_2)_2$-X-$(CH_2)_2$ or $-(CH_2)_2$-Z-$(CH_2)_n$,

$R^4$, $R^5$, independently of one another, ~~denote~~ are H or an unsubstituted or mono- or ~~poly~~ poly-substituted -OR-, $NO_2$-, Hal-, $CF_3$-, $OCF_3$-, CN-, $NR_2$-, ~~or~~ SR-, aryl-, ~~or~~ heteroaryl-substituted N-pyrrolidone ~~radical~~, -X-$(CH_2)_2OR$, -X-$CO(CH_2)_nCH_3$, -X-$(CH_2)_2NR_2$, $R^1$, S-aryl, O-aryl, $CH_2Si(CH_3)_3$, or together ~~denote~~ are -$X(CR_2)_2$-, -X-$(CR_2)_3$-, -X-$(CHCH_2OR)(CH_2)_2$-, -X-$(CHCH_2NR_2)(CH_2)_2$-, -$X(CH_2)_2NR_2$, -$(CR_2)_3$ -, -$(CR_2)_4$-,-CR=CR-CR=CR-, -XCHQ$(CR_2)_2$-, -XCHQ$CR_2$-, R-N-(C=X)-N-R, or -XC[(CH)nOR]$_2CH_2CH_2$-,

X ~~denotes~~ is O, S or NR

Q ~~denotes~~ is $CH_2Hal$, CHO, $COR^a$, $CH_2R^a$, $CH_2OCOR^a$, $CH_2NCOR^1$, $CH_2N(R^1)_2$, $CH_2OR^1$, $CH_2OCON(R^1)_2$, $CH_2OCOOR^1$, $CH_2NHCON(R^1)_2$, or $CH_2NHCOOR^1$,

$R^a$ ~~denotes~~ is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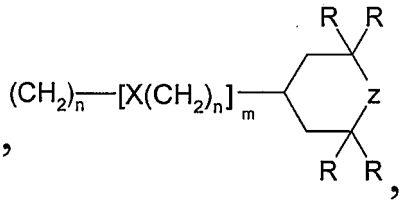
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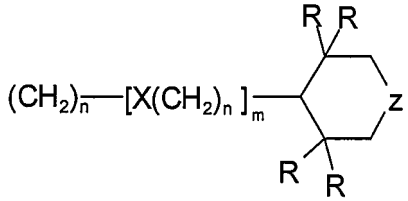
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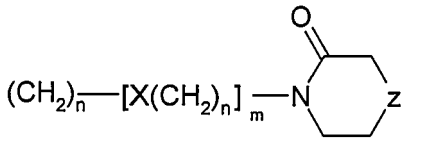
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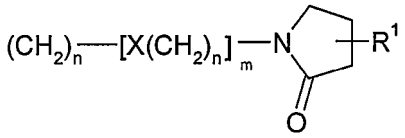
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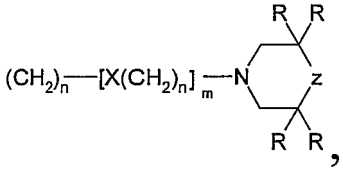
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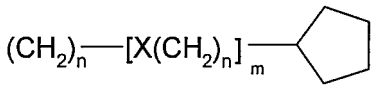
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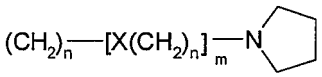
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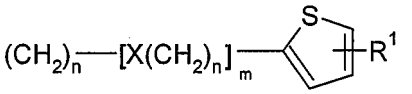
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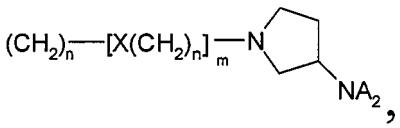
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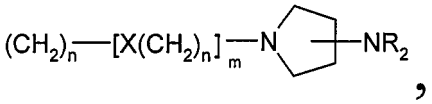
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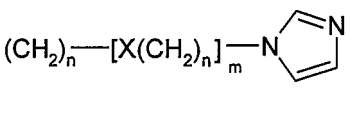
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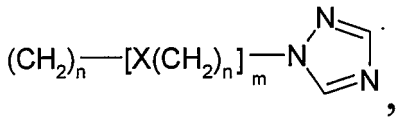
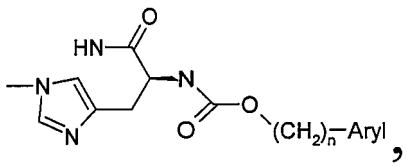
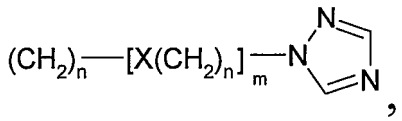
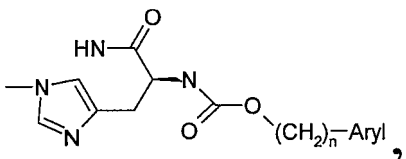
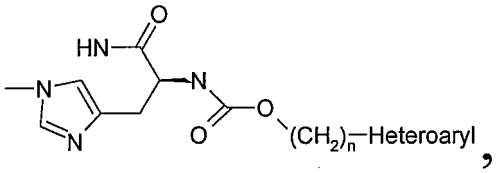
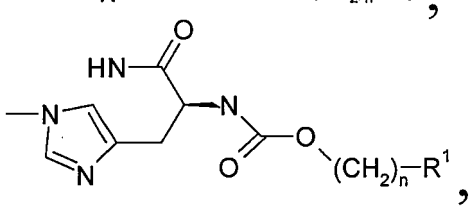
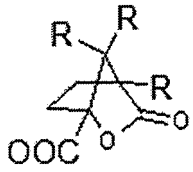








or,

OR, $NHR_2$, $NR_2$, $NR(CH_2)_n$-aryl, $NR(CH_2)_nOR$, COOR, N-pyrrolidone ~~radical~~, OCOR, $NR(CH_2)_nNR_2$, $N[(CH_2)_nNR_2]CO(CH_2)_n$-aryl, $N[(CH_2)_nNHCOOR]CO$-aryl, $R^1$, $N[CH_2(CH_2)_nOR]_2$, $NR(CH_2)_nNCOOR$, $X(CH_2)_nX(CH_2)_nXR$, $NR(CH_2)_nX(CH_2)_nOH$, $NR(CH_2)_nO(CH_2)_nOH$, $(CH_2)_nCOOR$, $O(CO)NR(CH_2)_nOR$, $O(CO)(CH_2)_nNR_2$, $NR(CH_2)_nNR_2$, $N[(CH_2)_nNR_2]CO(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_nR^1$, $N(R)(CH_2)_nN(R)COOR$, $XCOO(CH_2)_nNR_2$, $OSO_2A$, $OSO_2CF_3$, $OSO_2Ar$, $OCONR_2$, or $OCH_2(CH_2)_nNR_2$

Z ~~denotes~~ is $CH_2$, X, $CHCONH_2$, $CH(CH_2)_nNRCOOR$, CHNRCOOR, NCO, $CH(CH_2)_nCOOR$, NCOOR, $CH(CH_2)_nOH$, $N(CH_2)_nOH$, $CHNH_2$, $CH(CH_2)_nNR_2$, $CH(CH_2)_nNR_2$, C(OH)R, CHNCOR, $CH(CH_2)_n$-aryl, $CH(CH_2)_n$-heteroaryl, $CH(CH_2)_nR^1$,

$N(CH_2)_nCOOR$, $CH(CH_2)_nX(CH_2)_n$-aryl, $CH(CH_2)_nX(CH_2)_n$-heteroaryl, $N(CH_2)_nCONR_2$, $XCONR(CH_2)_nNR_2$, $N[(CH_2)_nXCOOR]CO(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_nX$-aryl, $N[(CH_2)_nXR]SO_2(CH_2)_n$-aryl, $N[(CH_2)_nNRCOOR]CO(CH_2)_n$-aryl, $N[(CH_2)_nNR_2]CO(CH_2)_n$-aryl, $N[(CH_2)_nNR_2]CO(CH_2)_nNR$-aryl, $N[(CH_2)_nNR_2]SO_2(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nXR]CO(CH_2)_nX$-heteroaryl, $N[(CH_2)_nXR]SO_2(CH_2)_n$-heteroaryl, $N[(CH_2)_nNRCOOR]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_nNR$-heteroaryl, $N[(CH_2)_nNR_2]SO_2(CH_2)_n$-heteroaryl, $O(CH_2)_nNR_2$, $X(CH_2)_nNR_2$, or $NCO(CH_2)_nNR_2$,

$R^6$ ~~denotes~~ is aryl or heteroaryl, each of which is unsubstituted or mono- or polysubstituted by aryl or heteroaryl, each of which is optionally ~~may be~~ substituted by Hal, $NO_2$, CN, A, OR, OCOR, COR, $NR_2$, $CF_3$, $OCF_3$, $OCH(CF_3)_2$, ~~or by~~ Hal, $NO_2$, CN, OR, A, $-(CY_2)_n$-OR, -OCOR, $-(CY_2)_n$-$CO_2R$, $-(CY_2)_n$-CN, -NCOR, -COR or $-(CY_2)_n$-$NR_2$,

$R^7$ ~~denotes~~ is (C=O)-R, (C=O)-$NR_2$, (C=O)-OR, H or A,

m ~~denotes~~ is 0, 1 or 2,

~~and~~

n ~~denotes~~ is 0, 1, 2, 3, 4, 5, 6 or 7,

~~and~~ or a pharmaceutically usable derivatives~~,~~ solvates~~,~~ tautomers~~,~~ salts ~~and~~ , stereoisomers thereof~~, including~~ or mixtures thereof in ~~all~~ any ratios~~.~~

2. (Currently amended) The compounds according to Claim 1, or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio, in which

$R^1$ ~~denotes~~ is A, $CF_3$, $OCF_3$, SA, SCN, $CH_2CN$, -OCOA, Hal, $SCF_3$, t-butyl, $-CH(CH_3)CH_2CH_3$, isopropyl, ethyl or methyl.

3. (Currently amended) The compounds according to Claim 1 ~~or 2~~ or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio in which

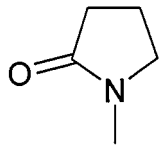
$R^2$ ~~denotes~~ is F or H.

4. (Currently amended) The compounds according to ~~one or more of Claims 1-3~~ Claim 1 or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio in which

$R^3$ ~~denotes~~ is F or H.

5. (Currently amended) The compounds according to ~~one or more of Claims 1-4~~ Claim 1 or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio in which

$R^4$ ~~preferably denotes~~ is one of the following groups if $R^5$ denotes H:




or $-X-(CH_2)_2-NR_2$

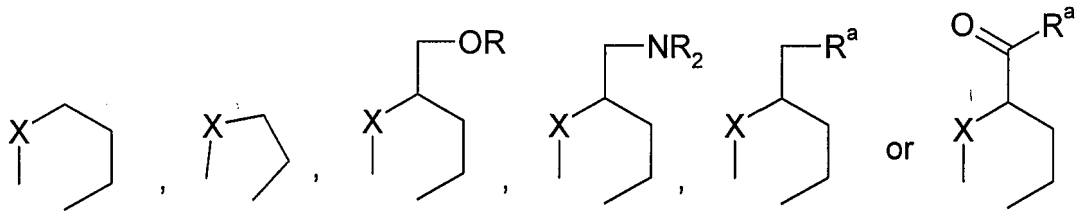
X and R have the meaning indicated in Claim 1.

6. (Currently amended) The compounds ~~according to one or more of Claims 1-5~~ Claim 1 or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio in which

$R^5$ ~~denotes~~ is H.

7. (Currently amended) The compounds ~~according to one or more of Claims 1-6~~ Claim 1 or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio in which

$R^5$, together with $R^4$, ~~adopts~~ are one of the following ~~meanings~~:




in which

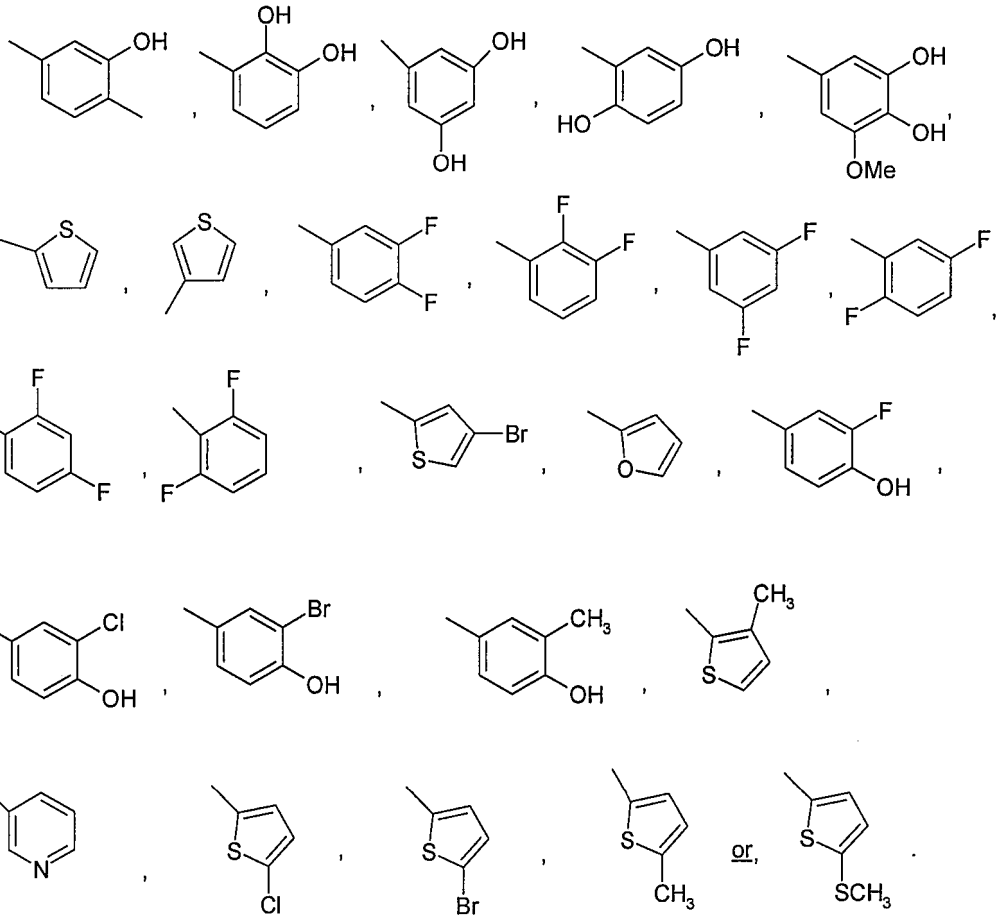
X, R and $R^a$ have the meaning indicated in Claim 1.

8. (Currently amended) The compounds ~~according to~~ Claim 1 or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio ~~one or more of Claims 1-7~~ in which

$R^6$ ~~denotes~~ is phenyl, 2-, 3- or 4-pyridyl, pyrimidyl, furyl or thienyl, each of which is unsubstituted or mono- or polysubstituted by Hal, CN, $NO_2$, OH, $CF_3$, $OCH(CF_3)_2$, $OCOCH_3$ or A.

9. (Currently amended) The compounds ~~according to~~ Claim 1 or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio ~~one or more of Claims 1-8~~ in which

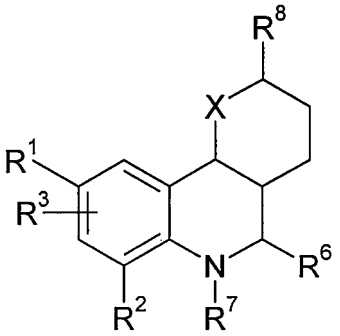
$R^6$ ~~denotes~~ is one of the following ~~groups~~:



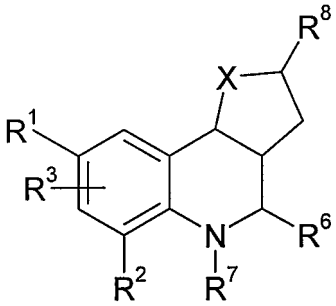
10. (Currently amended) The compounds according to Claim 1 or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio ~~one or more of Claims 1-9~~ in which

$R^7$ ~~denotes~~ is H.

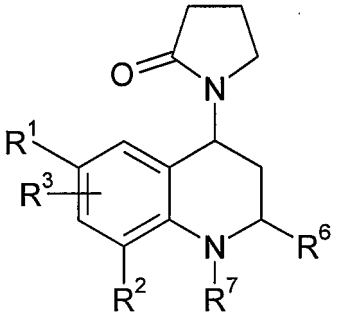
11. (Currently amended) The compounds according to Claim 1, selected from the group consisting of ~~the~~ sub-formulae IA to ID or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio:



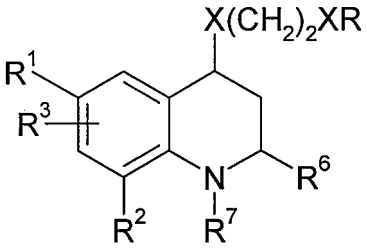
IA



IB



IC



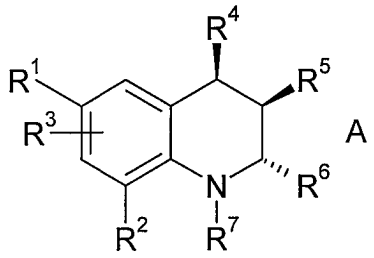
ID

in which R, $R^1$, $R^2$, $R^3$, $R^4$, $R^5$, $R^6$, $R^7$ and X have the meaning indicated in Claim 1.

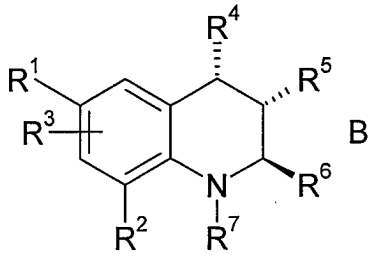
and

$R^8$ ~~denotes~~ is H, $CH_2OR$ or $CH_2NR_2$.

12. (Currently amended) The compounds according to Claim 1 of the sub-formulae A and or B or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio:




A

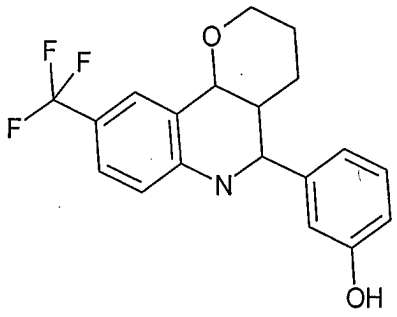



B

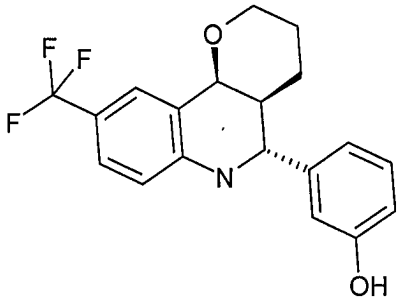
in which $R^1$, $R^2$, $R^3$, $R^4$, $R^5$, $R^6$, $R^7$ have the meaning indicated in Claim 1, and the ~~race-mate~~ racemate thereof or any other mixtures of ~~the~~ enantiomers thereof.

13. (Currently amended) The compounds according to Claim 1 of ~~the~~ sub-formulae I1 to I45a, or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio:

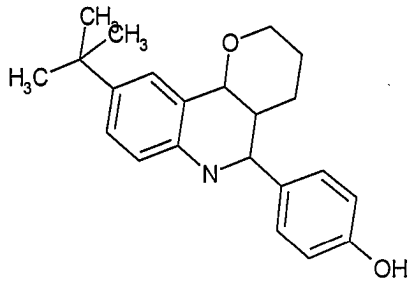
I1



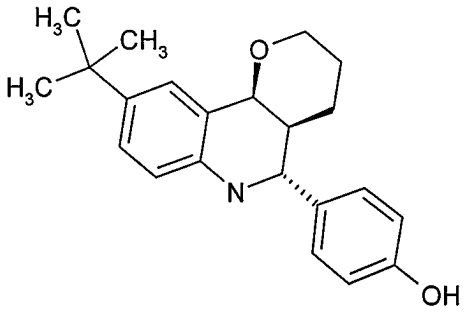

I1a



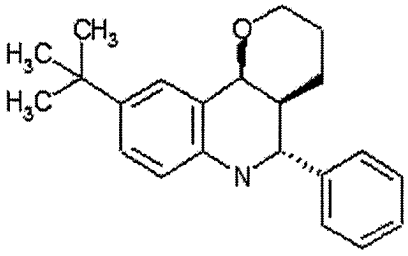
I2



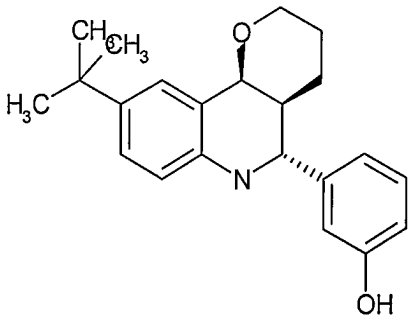

I2a



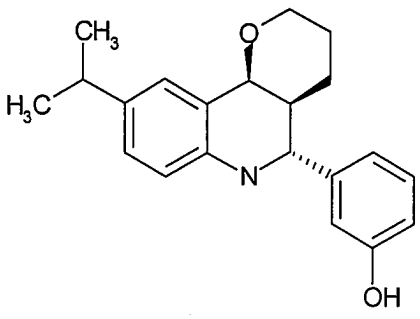

I3



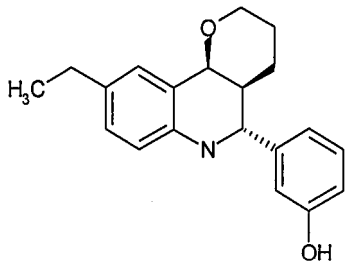

I4



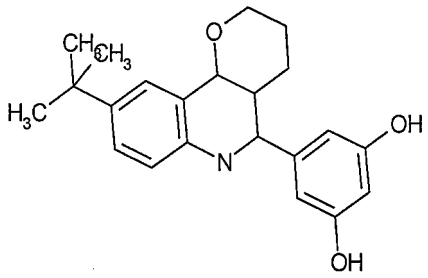

I5



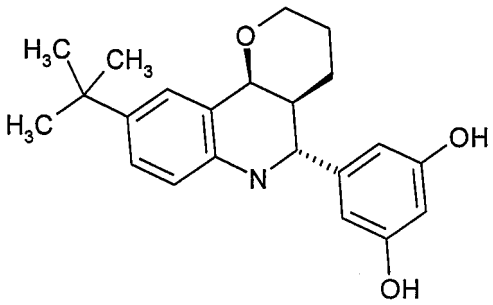
I6


O
H3C
N
OH

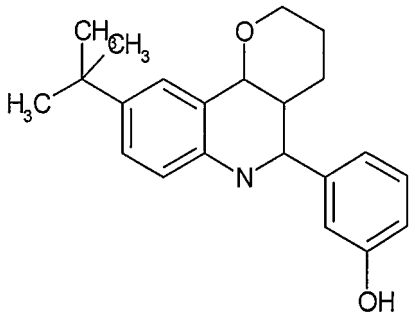
I7


CH3
CH3
O
H3C
N
OH
OH

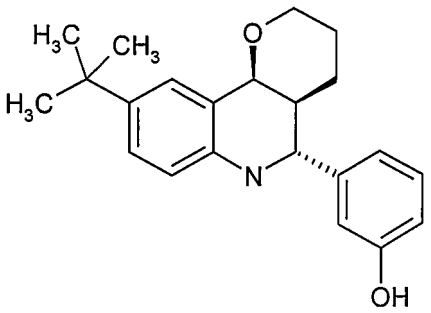
I7a


H3C
CH3
O
H3C
N
OH
OH

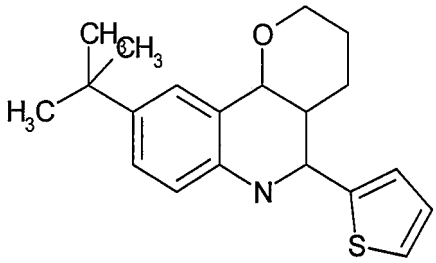
I8


CH3
CH3
O
H3C
N
OH

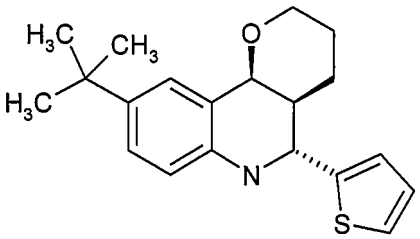
I8a



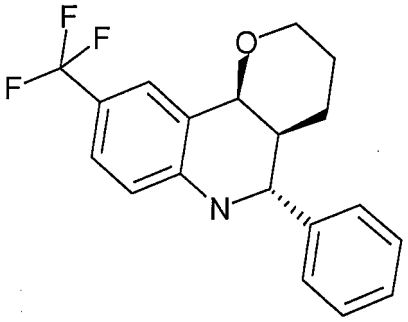

I9



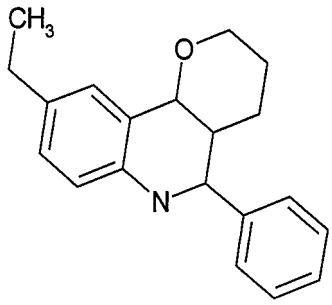

I9a



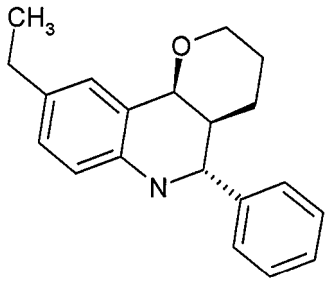

I10



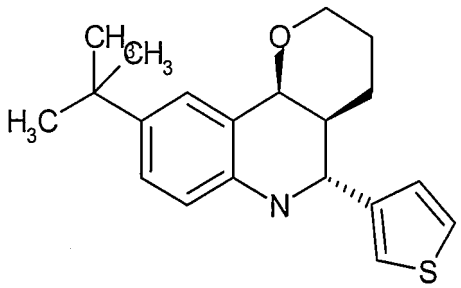

I11



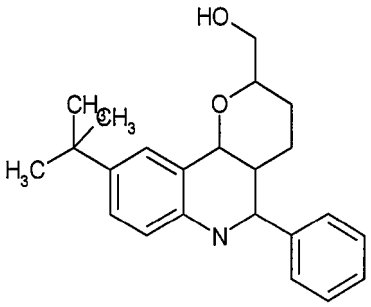
I11a



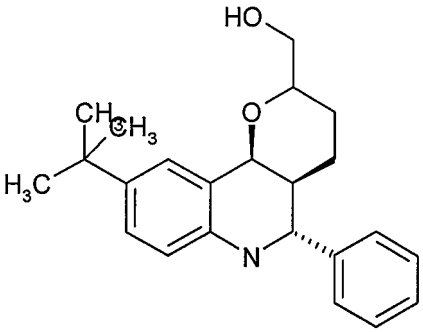

I12



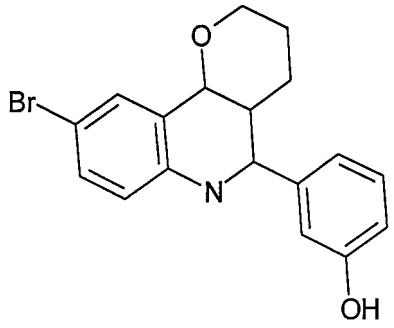

I13



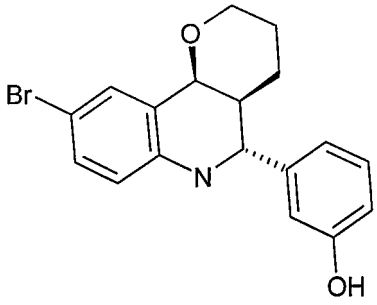

I13a



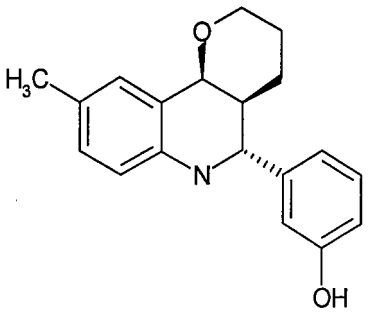
I14



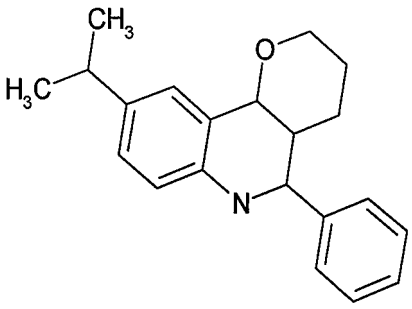

I14a



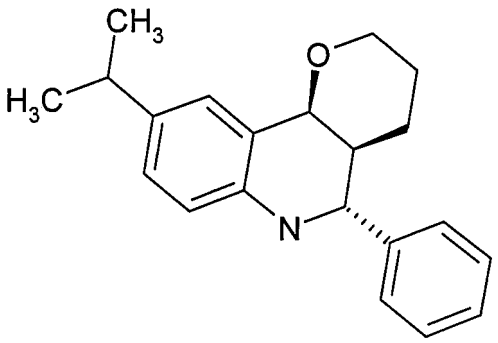

I15



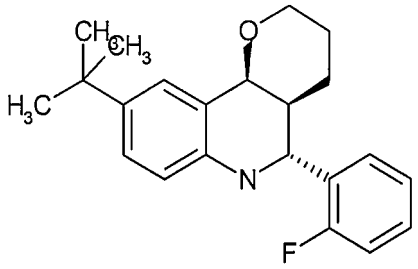

I16



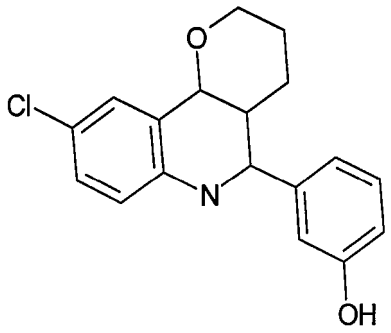
I16a



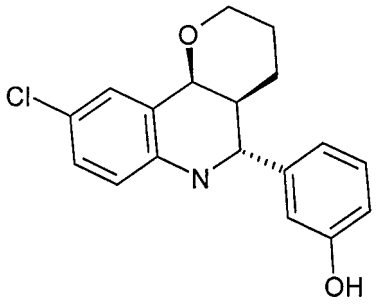

I17



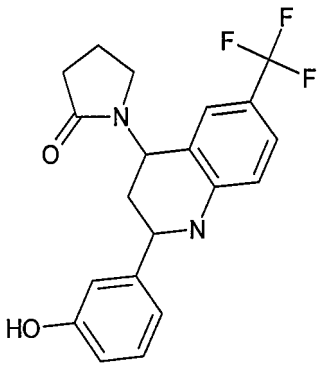

I18



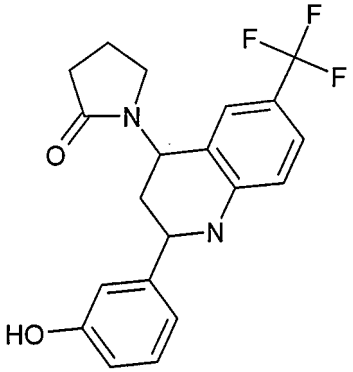

I18a



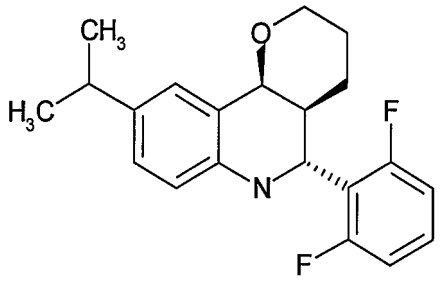
I19



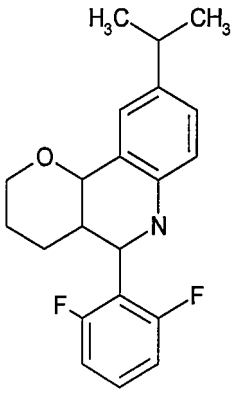

I19a



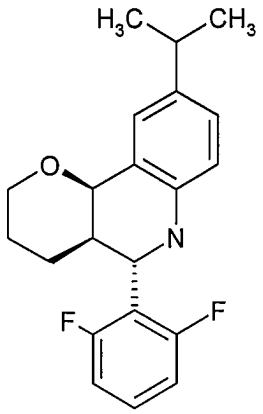

I20



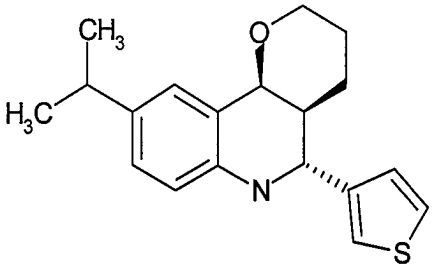

I21



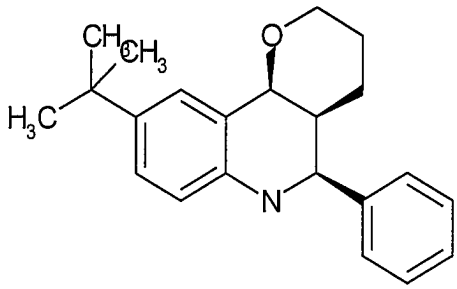
I21a



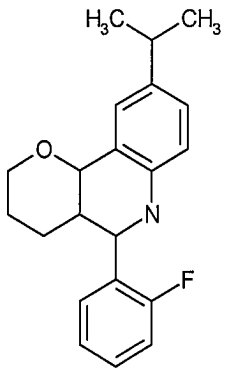

I22

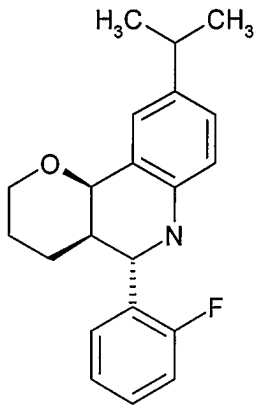


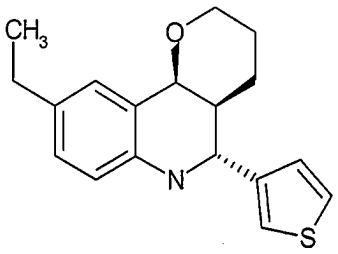

I23

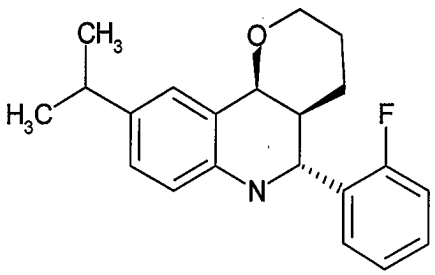


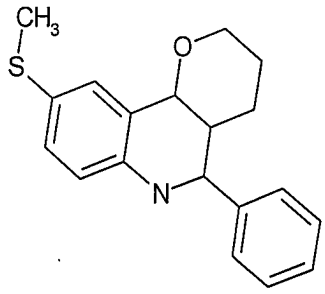

I24



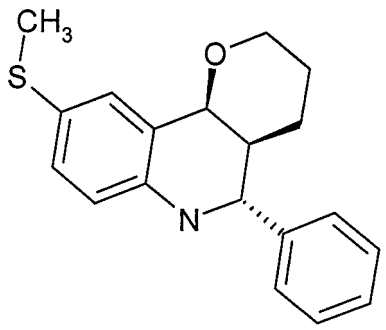
I24a 


I25 

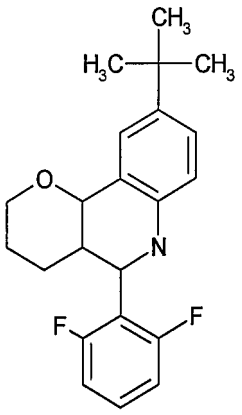

I26 


I27 

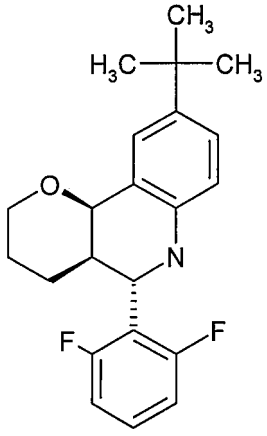
I27a



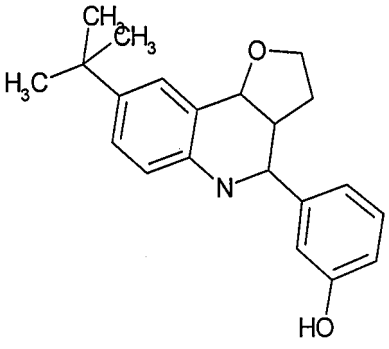

I28



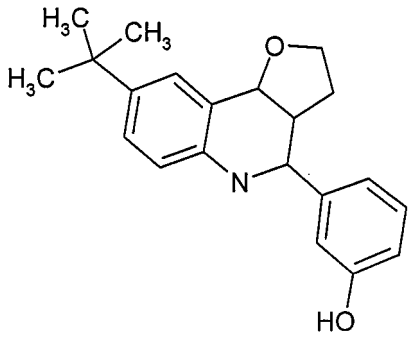

I28a



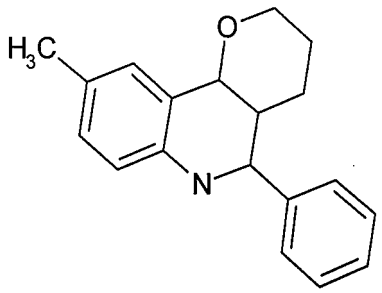

I29



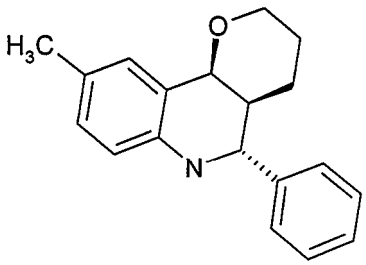
I29a



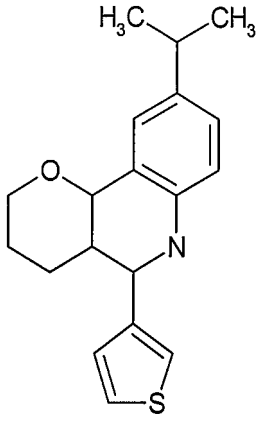

I30



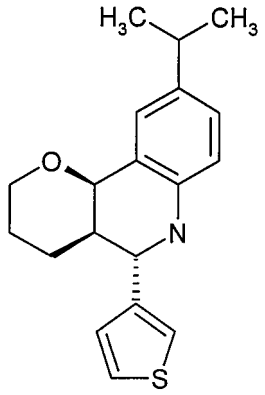

I30a



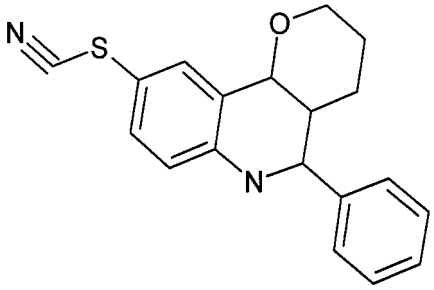

I31



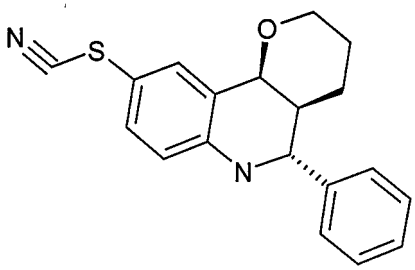
I31a



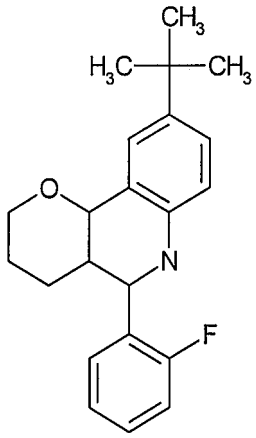

I32



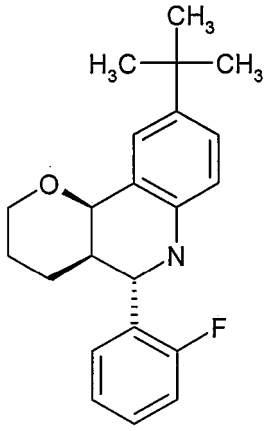

I32a



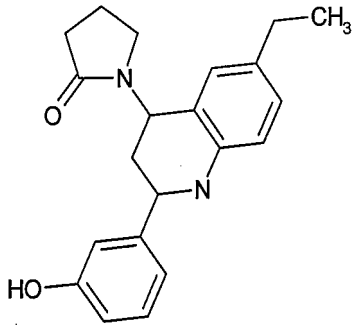

I33



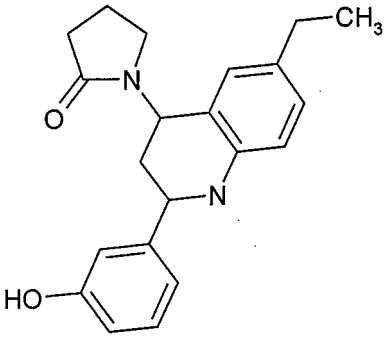
I33a



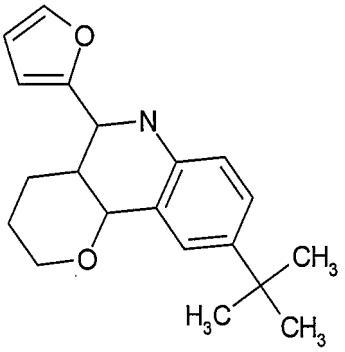

I34



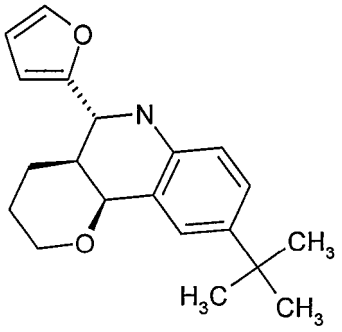

I34a



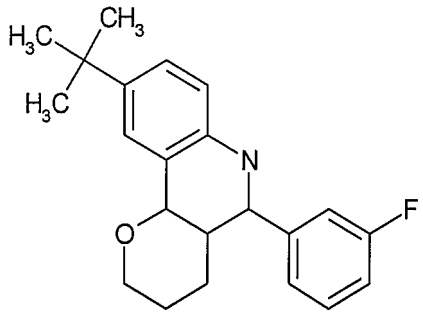

I35



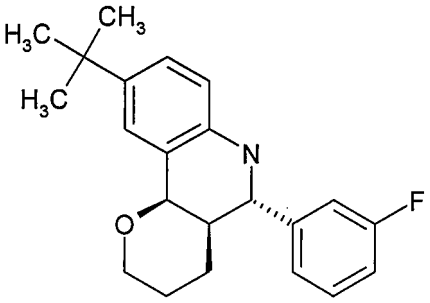
I35a




I36




I36a

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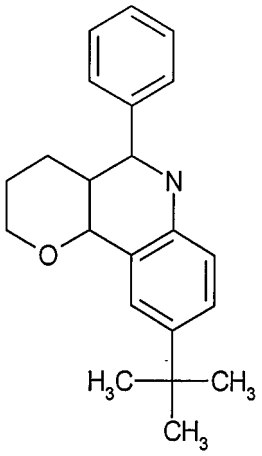

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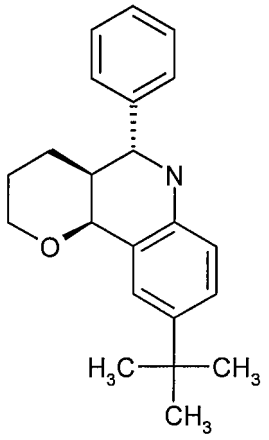


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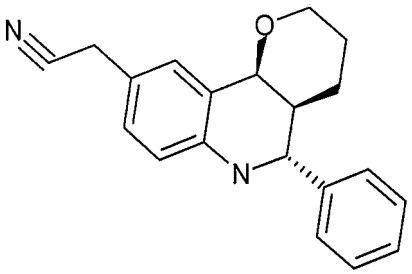


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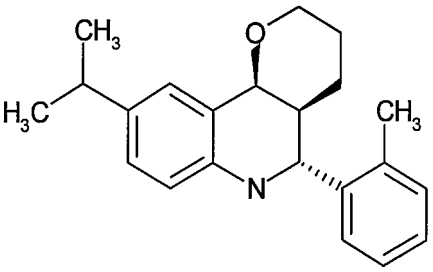
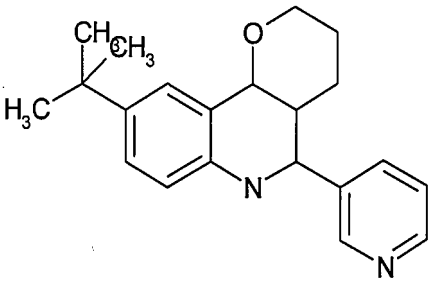



I40



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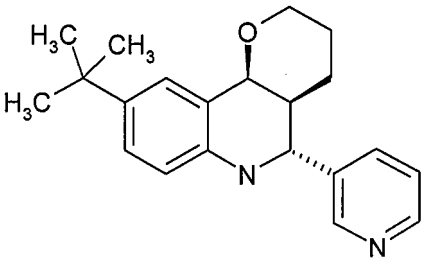


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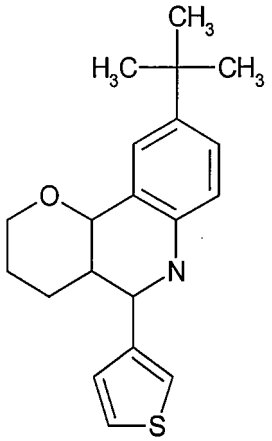


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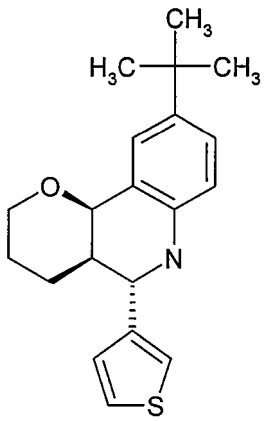

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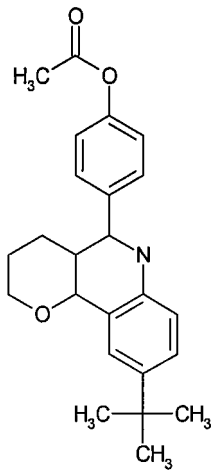
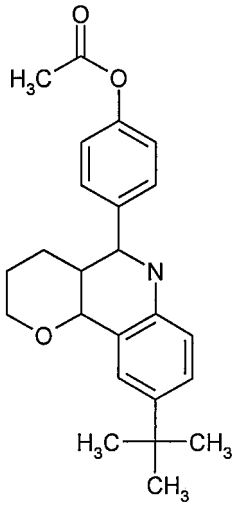



I42a

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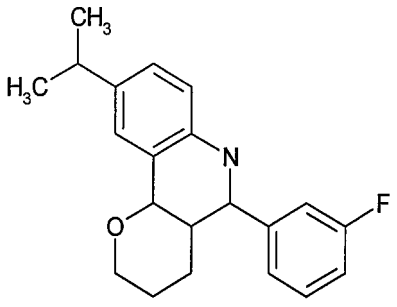

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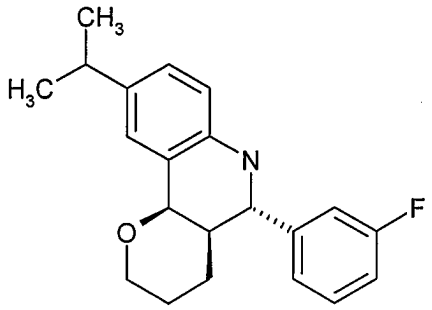
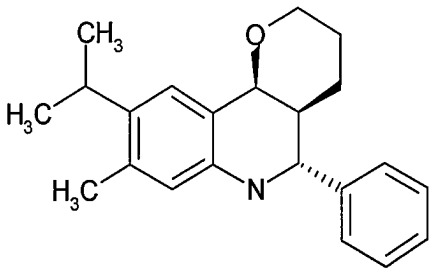


I44



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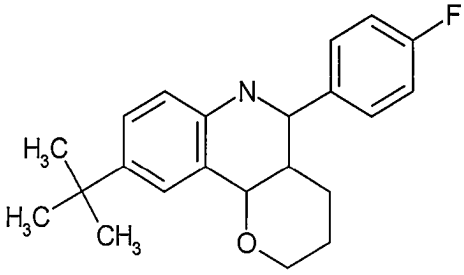
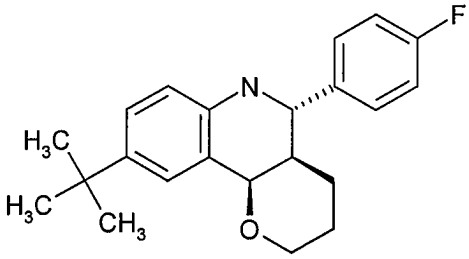


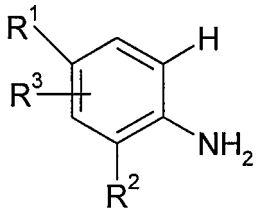
or

I45a



14. (Currently amended) A method for preparing the compound ~~process for the preparation of compounds of the formula I~~ according to ~~Claims 1-13~~ Claim 1 ~~and~~ or a pharmaceutically usable derivative~~s~~, salt~~s~~, solvate~~s~~, tautomer~~s~~ ~~and~~ , stereoisomer~~s~~ thereof or mixture thereof in any ratio, comprising ~~characterised in~~ that

a compound of ~~the~~ formula II

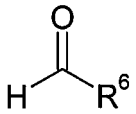



II

,

in which $R^1$, $R^2$ and $R^3$ have the meanings indicated in Claim 1,

is reacted with a compound of the formula III



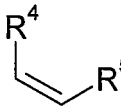

III

,

in which
$R^6$ has the meaning indicated in Claim 1,

and

with a compound of the formula IV, the double-bond isomer thereof (E isomer) or mixtures thereof




IV

,

in which $R^4$ and $R^5$ have the meanings indicated in Claim 1,

and, optionally ~~if desired~~, a radical $R^7$ which denotes H is converted into a radical $R^7$ which has a meaning other than H,

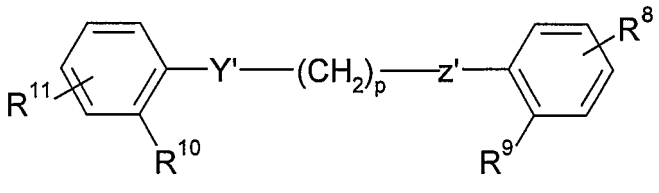
and/or, optionally ~~if desired~~,
a base or acid of the formula I is converted into one of its salts.

15. (Currently amended) ~~Process~~ The method according to Claim 14, wherein ~~characterised in that~~ the reaction is carried out in ~~the~~ presence of a protonic acid or Lewis acid.

16. (Currently amended) ~~Process~~ The method according to Claim 14 ~~or 15~~, ~~characterised in that~~ wherein the reaction is carried out in ~~the~~ presence of trifluoroacetic acid, hexafluoroisopropanol, bismuth(III) chloride, ytterbium(III) triflate, scandium(III) triflate or cerium(IV) ammonium nitrate.

17. (Currently amended) ~~Medicaments comprising at least one compound of the formula I~~ The compound according to Claim 1 ~~to 13 and/or~~ or a pharmaceutically usable derivative~~s~~, salt~~s~~, solvate~~s~~, tautomer~~s~~, ~~and~~ stereoisomer~~s~~ thereof~~,~~ ~~including~~ or mixture~~s~~ thereof in ~~all~~ any ratio~~s~~, and optionally an excipient~~s~~ and/or an adjuvant~~s~~, in a pharmaceutical formulation.

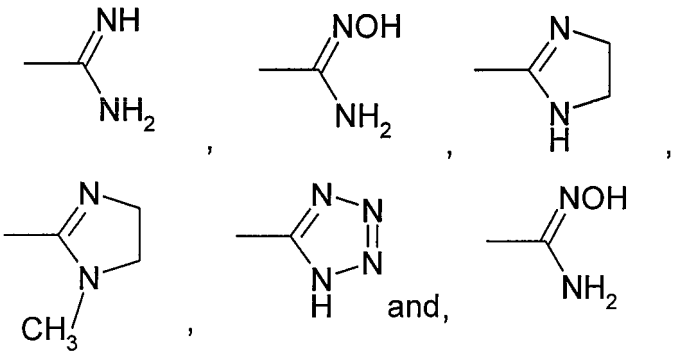
18. (Currently amended) A mixture ~~Mixture comprise~~ comprising ~~one or more~~ the compound~~s~~ ~~of the formula I~~ according to Claim 1, or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio, and ~~an amount of one or more~~ a compound~~s~~ of ~~the~~ formula V, or an analogue~~s~~ thereof and/or a metabolite~~s~~ thereof




V

in which

Y' and Z' each, independently of one another, ~~denote~~ are O or N, $R^9$ and $R^{10}$ each, independently of one another, ~~denote~~ are H, OH, halogen, OC1-10-alkyl, $OCF_3$, $NO_2$ or $NH_2$, ~~n denotes~~ p is an integer between 2 and 6 ~~inclusive~~ inclusively, and $R^8$ and $R^{11}$ are each, independently of one another, in the meta- or para-position and are selected from the group consisting of:




and,

19. (Currently amended) ~~Use~~ The mixture according to Claim 18, where the compound of the formula V ~~used~~ are pentamidine or salts thereof.

20. (Currently amended) ~~Use of~~ A method comprising administering to a patient the compounds according to Claim 1 ~~to 13 and~~ or a pharmaceutically usable derivatives, salts, solvates, tautomers~~,~~ ~~and~~ stereoisomers thereof~~,~~ ~~including~~ or a mixtures thereof in ~~all~~ any ratios, or the mixture according to Claim 18, ~~for the preparation of a medicament~~ for

~~the~~ treatment of diseases which ~~can be~~ are influenced by the inhibition, regulation and/or modulation of the mitotic motor protein Eg5.

21. (Currently amended) ~~Use of~~ A method comprising administering to a patient the compound according to Claim 1 ~~to 13~~ or the mixture according to Claim 18 for ~~the preparation of a medicament for the~~ treatment and prophylaxis of cancer diseases~~s~~.

22. (Currently amended) ~~Use~~ The method according to Claim 21, where ~~the~~ cancer is ~~diseases are~~ associated with ~~a tumour from the group of tumours of the~~ squamous epithelium, ~~of the~~ bladder, ~~of the~~ stomach, ~~of the~~ kidneys, ~~of~~ head and neck, ~~of the~~ oesophagus, ~~of the~~ cervix, ~~of the~~ thyroid, ~~of the~~ intestine, ~~of the~~ liver, ~~of the~~ brain, ~~of the~~ prostate, ~~of the~~ urogenital tract, ~~of the~~ lymphatic system, ~~of the~~ stomach, ~~of the~~ larynx and/or ~~of the~~ lung.

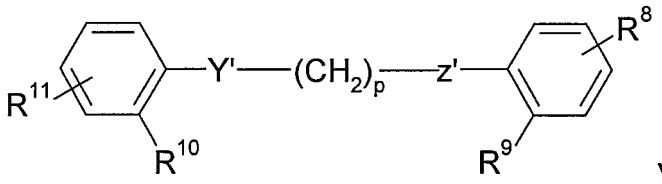
23. (Currently amended) ~~Use~~ The method according to ~~Claim 22~~ Claim 21, where ~~the tumour~~ cancer originates from ~~the group~~ monocytic leukaemia, lung adenocarcinoma, small-cell lung carcinoma~~s~~, pancreatic cancer, glioblastoma~~s~~, ~~and~~ breast carcinoma ~~and~~ or colon carcinoma.

24. (Currently amended) ~~Use~~ The method according to Claim 21, where ~~the~~ cancer ~~disease to be treated~~ is ~~a tumour~~ of ~~the~~ blood and immune system.

25. (Currently amended) ~~Use~~ The method according to Claim 24, where ~~the~~ cancer ~~tumour~~ originates from ~~the group~~ acute myelotic leukaemia, chronic myelotic leukaemia, acute lymphatic leukaemia and/or chronic lymphatic leukaemia.

26. (Currently amended) ~~Use of compounds of the formula I according to~~ A method comprising administering to a patient the compound of Claim 1 ~~to~~

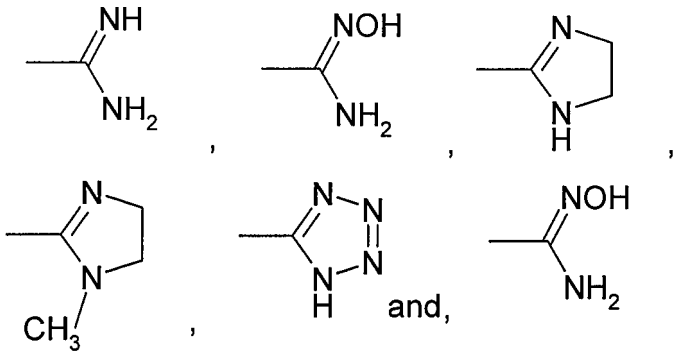
~~13~~ and/or a ~~physiologically acceptable~~ pharmaceutically usable salts ~~and~~ , solvate~~s~~, tautomer, stereoisomer thereof or mixture thereof in any ratio, for ~~the preparation of a medicament for the~~ treatment of ~~tumours~~ cancer in combination with a therapeutically effective amount of ~~one or more~~ a compound~~s~~ of the formula V, or an analogue~~s~~ thereof and/or a metabolite~~s~~ thereof.




V

in which

Y' and Z' each, ~~independently~~ of one another, ~~denote~~ are O or N, $R^9$ and $R^{10}$ each, independently of one another, ~~denote~~ are H, OH, halogen, OC1-10-alkyl, $OCF_3$, $NO_2$ or $NH_2$, ~~n denotes~~ p is an integer between 2 and 6 ~~inclusive~~ inclusively, and $R^8$ and $R^{11}$ are each, independently of one another, in the meta- or para-position and are selected from the group consisting of:




and,

where

the compound~~s~~ of the formula I and the compound~~s~~ of the formula V, or an analogue~~s~~ thereof and/or a metabolite~~s~~ thereof ~~are~~ is administered

simultaneously or within 14 days of one another in amounts which are sufficient to inhibit ~~the~~ growth of a tumour or of other hyperproliferative cells.

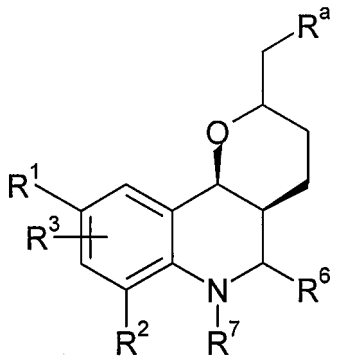
27. (Currently amended) ~~Use~~ The method according to Claim 26, where the compound of the formula V used are pentamidine or salts thereof.

28. (Currently amended) ~~Use of compounds of the formula I~~ A method comprising administering to a patient, a therapeutically effective amount of the compound according to Claim 1 ~~to 13~~ and/or ~~physiologically acceptable~~ a pharmaceutically usable salt, ~~and~~ solvate~~s~~, tautomer, stereoisomer thereof or mixture thereof in any ratio for ~~the preparation of a medicament for the~~ treatment of ~~the~~ cancer ~~tumours where a therapeutically effective amount of a compound of the formula I is administered~~ in combination with radiotherapy and a compound selected from the group consisting of 1) an oestrogen receptor modulator, 2) an androgen receptor modulator, 3) a retinoid receptor modulator, 4) a cytotoxic agent, 5) an antiproliferative agent, 6) a prenyl-protein transferase inhibitor, 7) an HMG-CoA reductase inhibitor, 8) an HIV protease inhibitor, 9) a reverse transcriptase inhibitor and 10) ~~further~~ an angiogenesis inhibitor~~s~~.

29. (Currently amended) The compound~~s~~ of the formula I in which Q denotes CH2$R^a$, and $R^a$ ~~has~~ is one of the following~~s~~ ~~meanings~~: $NHR_2$, $NR_2$, $NR(CH_2)_n$aryl, $NR(CH_2)_nOR$, COOR, N-pyrrolidone radical, OCOR, $NR(CH_2)_nNR_2$, $N[(CH_2)_nNR_2]CO(CH_2)_n$aryl, $N[(CH_2)_nNHCOOR]$COaryl, $R^1$, $N[CH_2(CH_2)_nOR]_2$, $NR(CH_2)_nNCOOR$, $X(CH_2)_nX(CH_2)_nXR$, $NR(CH_2)_nX(CH_2)_nOH$, $NR(CH_2)_nO(CH_2)_nOH$, $(CH_2)_n$COOR, $O(CO)NR(CH_2)_nOR$, $O(CO)(CH_2)_nNR_2$, $NR(CH_2)_nNR_2$, $N[(CH_2)_nNR_2]CO(CH_2)_n$aryl, $N[(CH_2)_nXR]CO(CH_2)_n$aryl,

$N[(CH_2)_nXR]CO(CH_2)_n$heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_n$heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_nR^1$, $N(R)(CH_2)_nN(R)COOR$, $XCOO(CH_2)_nNR_2$, $OSO_2A$, $OSO_2CF_3$, $OSO_2Ar$, $OCONR_2$ or $OCH_2(CH_2)_nNR$.

30. (New) The compound of Claim 1 of formula IA4 or a pharmaceutically usable derivative, solvate, tautomer, salts, stereoisomer thereof or mixture thereof in any ratio



IA4

in which

$R^1$ is A, $CF_3$, $OCF_3$, SA, SCN, $CH_2CN$, -OCOA, Hal, $SCF_3$, t-butyl, $-CH(CH_3)CH_2CH_3$, isopropyl, ethyl or methyl,

$R^2$ is F or H,

$R^3$ is H.

$R^a$ is 1-piperazinyl, N-morpholinyl, NHR or $NR_2$,

R is H or A, in case of geminal radicals R is $-(CH_2)_5-$, $-(CH_2)_4-$, $-(CH_2)_2-X-(CH_2)_2$ or $-(CH_2)_2-Z-(CH_2)_n$,

A is alkyl or cycloalkyl, in which one or more H atoms are optionally replaced by Hal,

Hal is F or Cl,

X is O, S or NR,

Z is $CH_2$, X, $CHCONH_2$, $CH(CH_2)_nNRCOOR$, CHNRCOOR, NCO, $CH(CH_2)_nCOOR$, NCOOR, $CH(CH_2)_nOH$, $N(CH_2)_nOH$, $CHNH_2$, $CH(CH_2)_nNR_2$, $CH(CH_2)_nNR_2$, C(OH)R, CHNCOR, $CH(CH_2)_n$-aryl, $CH(CH_2)_n$-heteroaryl, $CH(CH_2)_nR^1$, $N(CH_2)_nCOOR$, $CH(CH_2)_nX(CH_2)_n$-aryl, $CH(CH_2)_nX(CH_2)_n$-heteroaryl, $N(CH_2)_nCONR_2$, $XCONR(CH_2)_nNR_2$, $N[(CH_2)_nXCOOR]CO(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_nX$-aryl, $N[(CH_2)_nXR]SO_2(CH_2)_n$-aryl, $N[(CH_2)_nNRCOOR]CO(CH_2)_n$-aryl, $N[(CH_2)_nNR_2]CO(CH_2)_n$-aryl, $N[(CH_2)_nNR_2]CO(CH_2)_nNR$-aryl, $N[(CH_2)_nNR_2]SO_2(CH_2)_n$-aryl, $N[(CH_2)_nXR]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nXR]CO(CH_2)_nX$-heteroaryl, $N[(CH_2)_nXR]SO_2(CH_2)_n$-heteroaryl, $N[(CH_2)_nNRCOOR]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_n$-heteroaryl, $N[(CH_2)_nNR_2]CO(CH_2)_nNR$-heteroaryl, $N[(CH_2)_nNR_2]SO_2(CH_2)_n$-heteroaryl, $O(CH_2)_nNR_2$, $X(CH_2)_nNR_2$, or $NCO(CH_2)_nNR_2$,

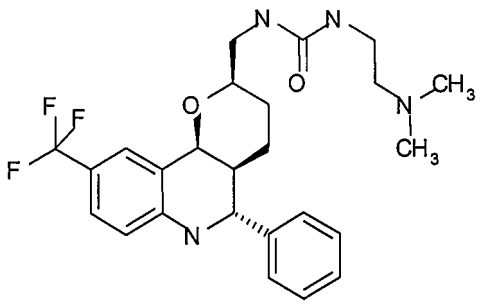
$R^6$ is phenyl, 2-, 3- or 4-pyridyl, pyrimidyl, furyl or thienyl, each of which is unsubstituted or mono- or polysubstituted by Hal, $NO_2$, CN, OH, $CF_3$, $OCH(CF_3)_2$, $OCOCH_3$ or A,

$R^7$ is H or A

n is 0,1,2,3,4,5,6 or 7

or a pharmaceutically useable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture therefore in any ratio.

31. (New) The compound of claim 30 of the following formula or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or a mixture thereof in any ratio:



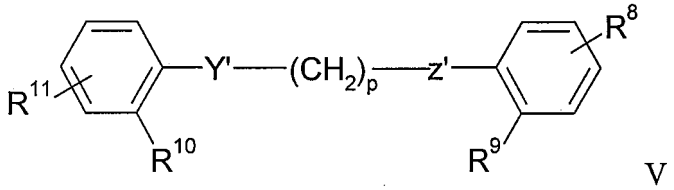

32. (New) The compound according to Claim 30, or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio, in which alkyl is methyl.

33. (New) The compound according to Claim 30 or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio in which

$R^7$ is H.

34. (New) The compound according to Claim 30 or a pharmaceutically usable derivative, salt, solvate, tautomer, stereoisomer thereof or mixture thereof in any ratio, or optionally an excipient and/or an adjuvant, in a pharmaceutical composition.

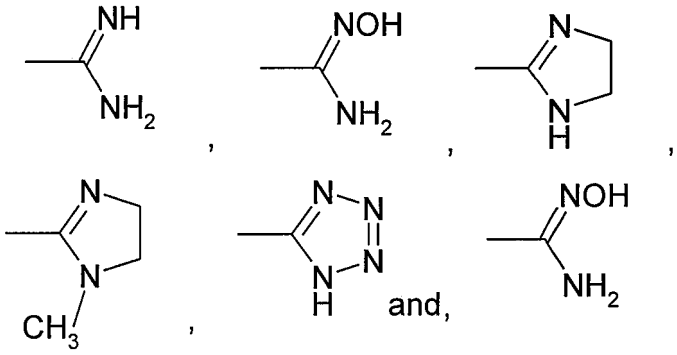
35. (New) A mixture comprising the compound according to Claim 30 or a pharmaceutically usable derivative, solvate, tautomer, salt, stereoisomer thereof or mixture thereof in any ratio and a compound of formula V, or an analogue thereof or metabolite thereof




V

in which

Y' and Z' each, independently of one another, are O or N, $R^9$ and $R^{10}$ each, independently of one another, are H, OH, halogen, OC1-10-alkyl, $OCF_3$, $NO_2$ or $NH_2$, p is an integer between 2 and 6 inclusively, and $R^8$ and $R^{11}$ are each, independently of one another, in the meta- or para-position and are selected from the group consisting of:




and,

36. (New) The mixture according to Claim 35, wherein the compound of formula V is pentamidine or a salt thereof.

37. (New) A method comprising, administering to a patient the compound according to Claim 30 or a pharmaceutically usable derivative, salt, solvate, tautomer, stereoisomer thereof or mixture thereof in any ratio, for

treatment of disease which can be influenced by the inhibition, regulation and/or modulation of mitotic motor protein Eg5.

38. (New) A method comprising administering to a patient the compound according to Claim 30, or a pharmaceutically usable derivative, salt, solvate, tautomer, stereoisomer thereof or mixture thereof in any ratio for treatment and prophylaxis of cancer.

39. (New) The method according to Claim 38, where the cancer is associated with squamous epithelium, bladder, stomach, kidneys, head and neck, oesophagus, cervix, thyroid, intestine, liver, brain, prostate, urogenital tract, lymphatic system, stomach, larynx and/or lung.

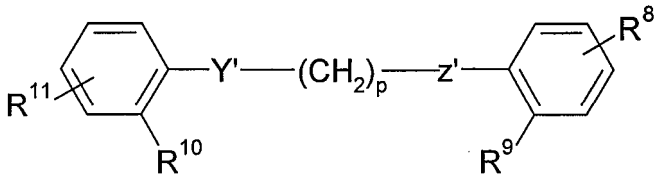
40. (New) The method according to Claim 39, where the cancer originates from monocytic leukaemia, lung adenocarcinoma, small-cell lung carcinoma, pancreatic cancer, glioblastomas and breast carcinoma and colon carcinoma.

41. (New) The method according to Claim 38, where the cancer to be treated is of blood and immune system.

42. (New) The method according to Claim 41, where the cancer originates from acute myelotic leukaemia, chronic myelotic leukaemia, acute lymphatic leukaemia and/or chronic lymphatic leukaemia.

43. (New) The method comprising administering to a patient a therapeutically effective amount of the compound according to Claim 30 or a pharmaceutically usable derivative, salt, solvate, tautomer, stereoisomer thereof or mixture thereof in any ratio, for treatment of cancer in

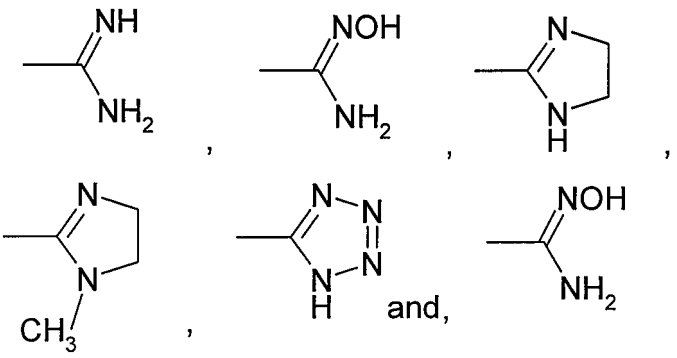
combination with a therapeutically effective amount of a compound of the formula V, or an analogue thereof and/or a metabolite thereof.



V

in which

Y' and Z' each, independently of one another, are O or N, $R^9$ and $R^{10}$ each, independently of one another, are H, OH, halogen, OC1-10-alkyl, $OCF_3$, $NO_2$ or $NH_2$, p is an integer between 2 and 6 inclusively, and $R^8$ and $R^{11}$ are each, independently of one another, in the meta- or para-position and are selected from the group consisting of:



where

the compound of the formula V and the compound of the formula V, or analogue thereof and/or metabolites thereof are administered simultaneously or within 14 days of one another in amounts which are sufficient to inhibit the growth of a tumour or of other hyperproliferative cells.

44. (New) The method according to Claim 43, wherein the compound of the formula V used is pentamidine or a salt thereof.

45. (New) The method comprising administering to a patient the compound according to Claim 30 or a pharmaceutically usable salt, solvate, tautomer, stereoisomer thereof or mixture thereof in any ratio, for treatment of tumours where a therapeutically effective amount of the compound according to Claim 30 is administered in combination with radiotherapy or a compound selected from the group consisting of 1) an oestrogen receptor modulator, 2) an androgen receptor modulator, 3) a retinoid receptor modulator, 4) a cytotoxic agent, 5) an antiproliferative agent, 6) a prenyl-protein transferase inhibitor, 7) an HMG-CoA reductase inhibitor, 8) an HIV protease inhibitor, 9) a reverse transcriptase inhibitor and 10) an angiogenesis inhibitors.